

FIG.1

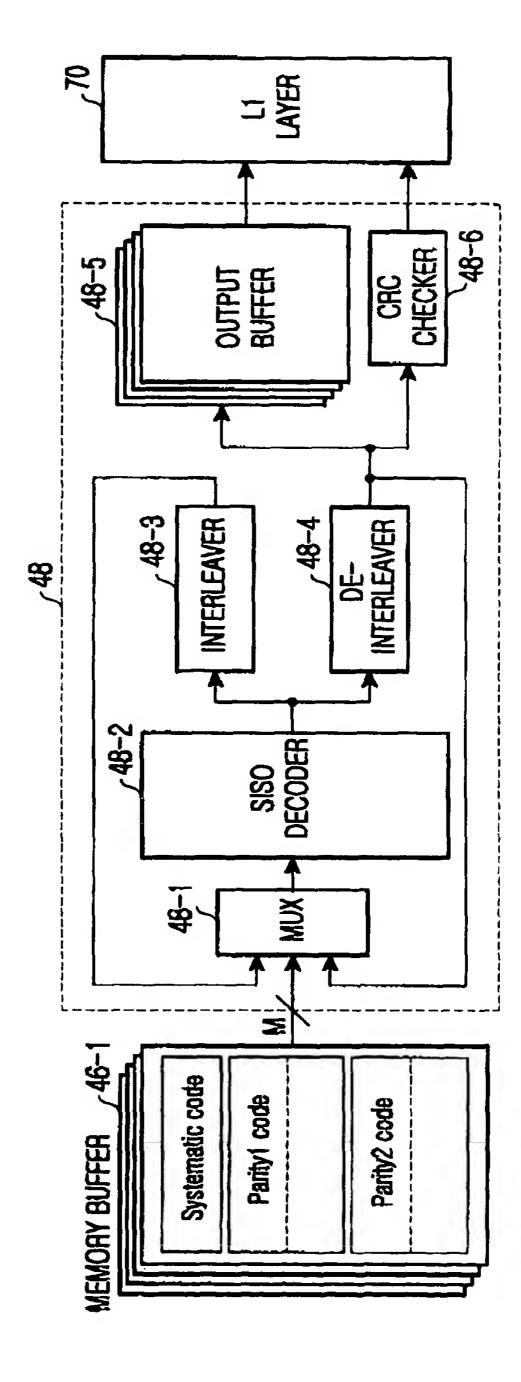


FIG.2

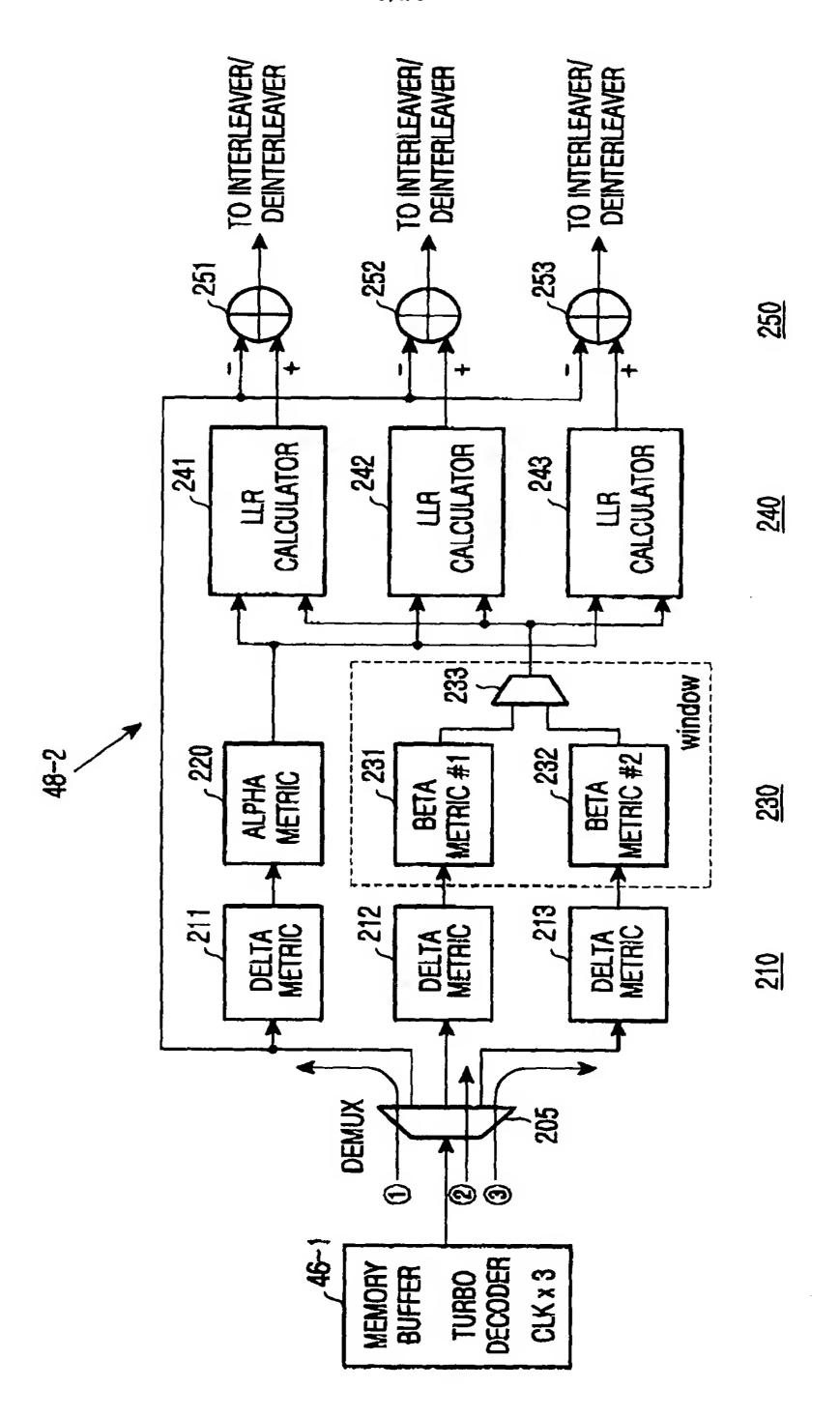


FIG.3

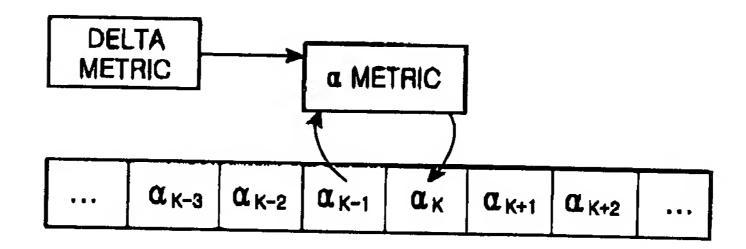


FIG.4A

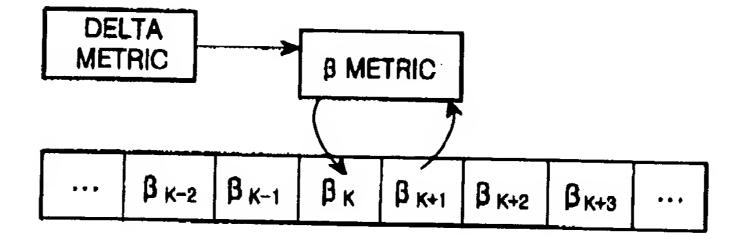


FIG.4B

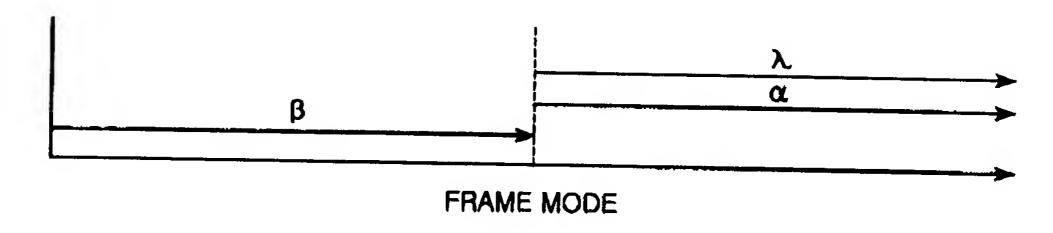


FIG.5A

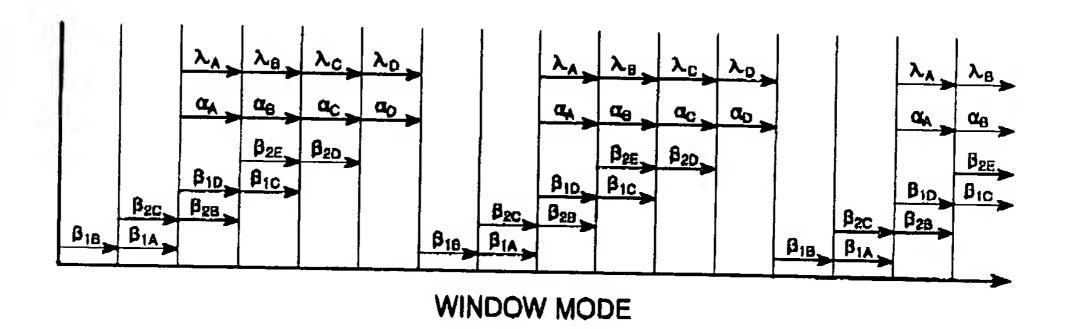


FIG.5B

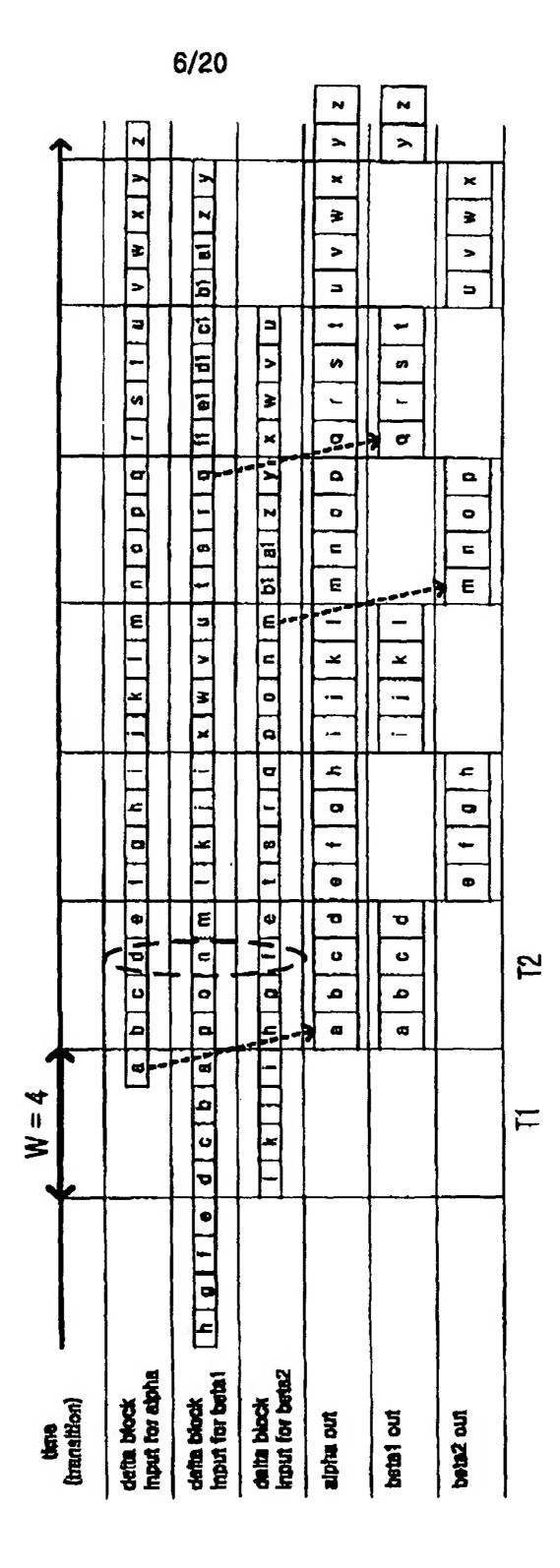


FIG.6

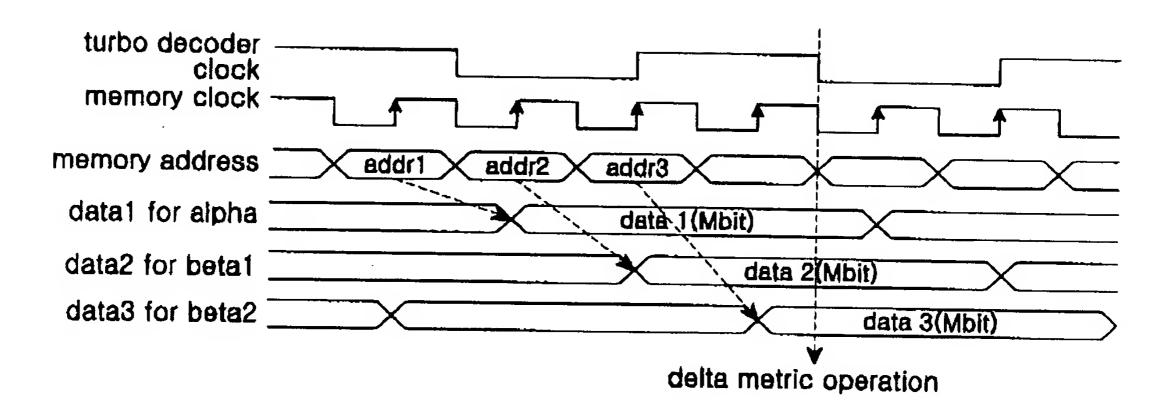


FIG.7

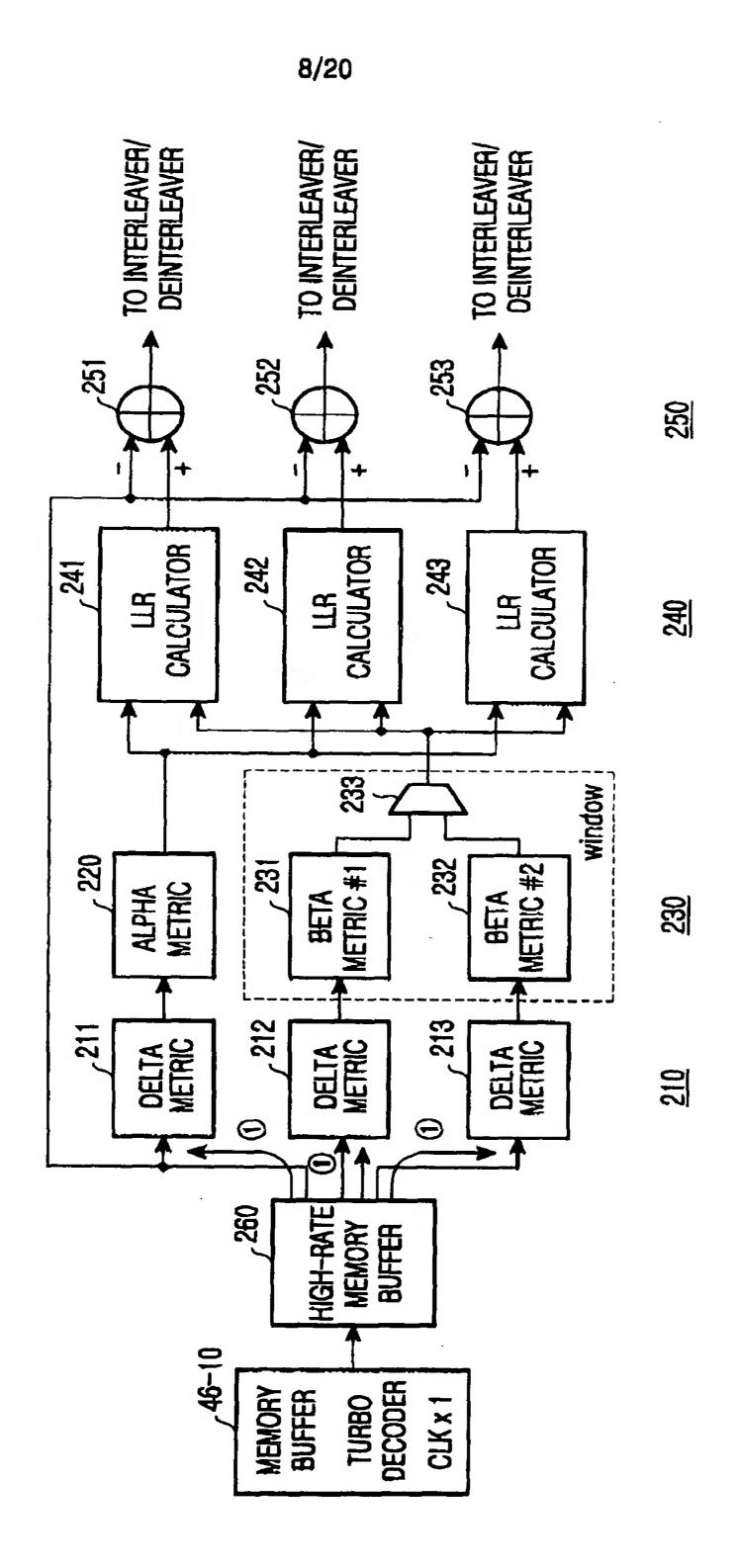


FIG.8

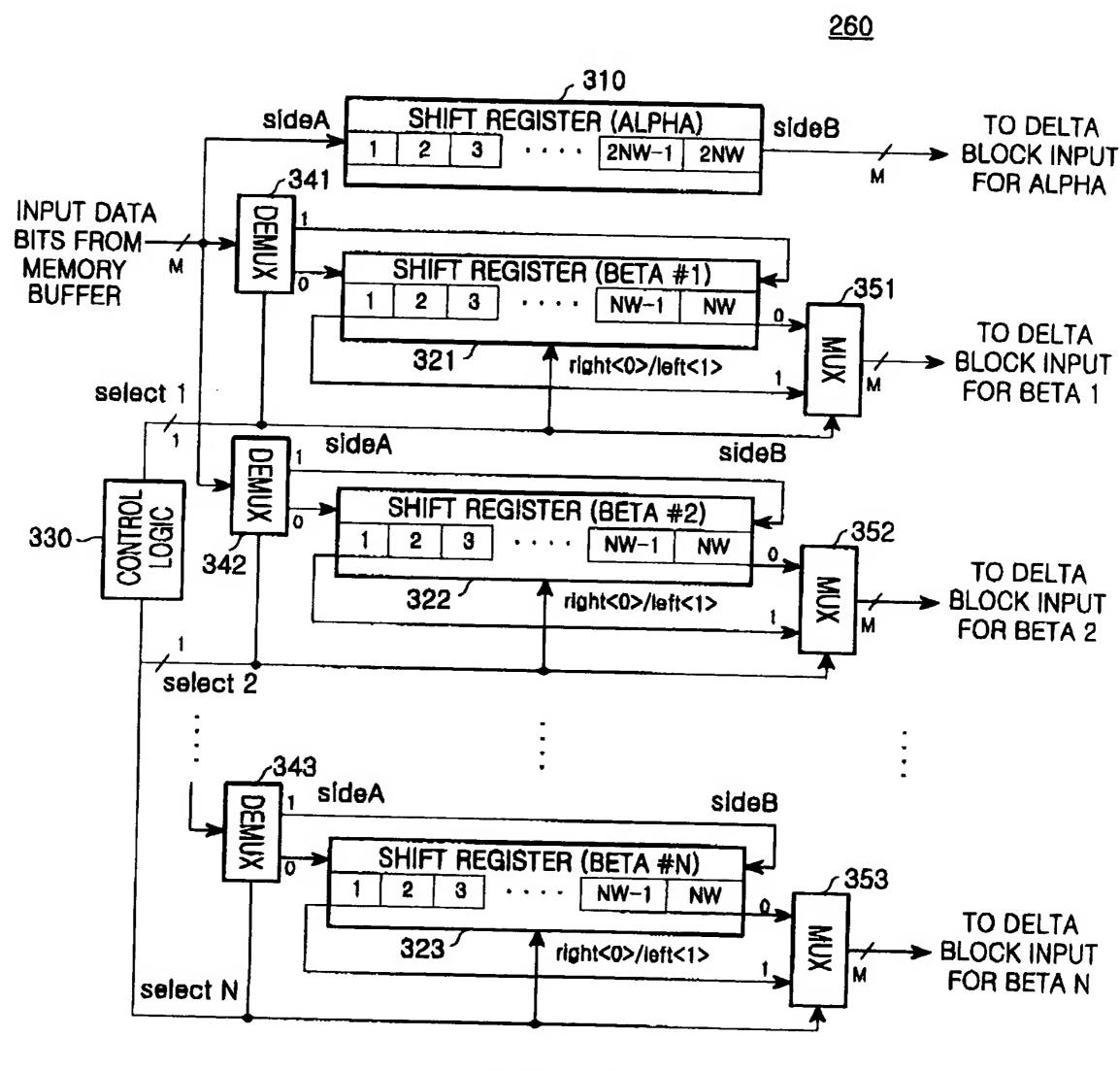


FIG.9

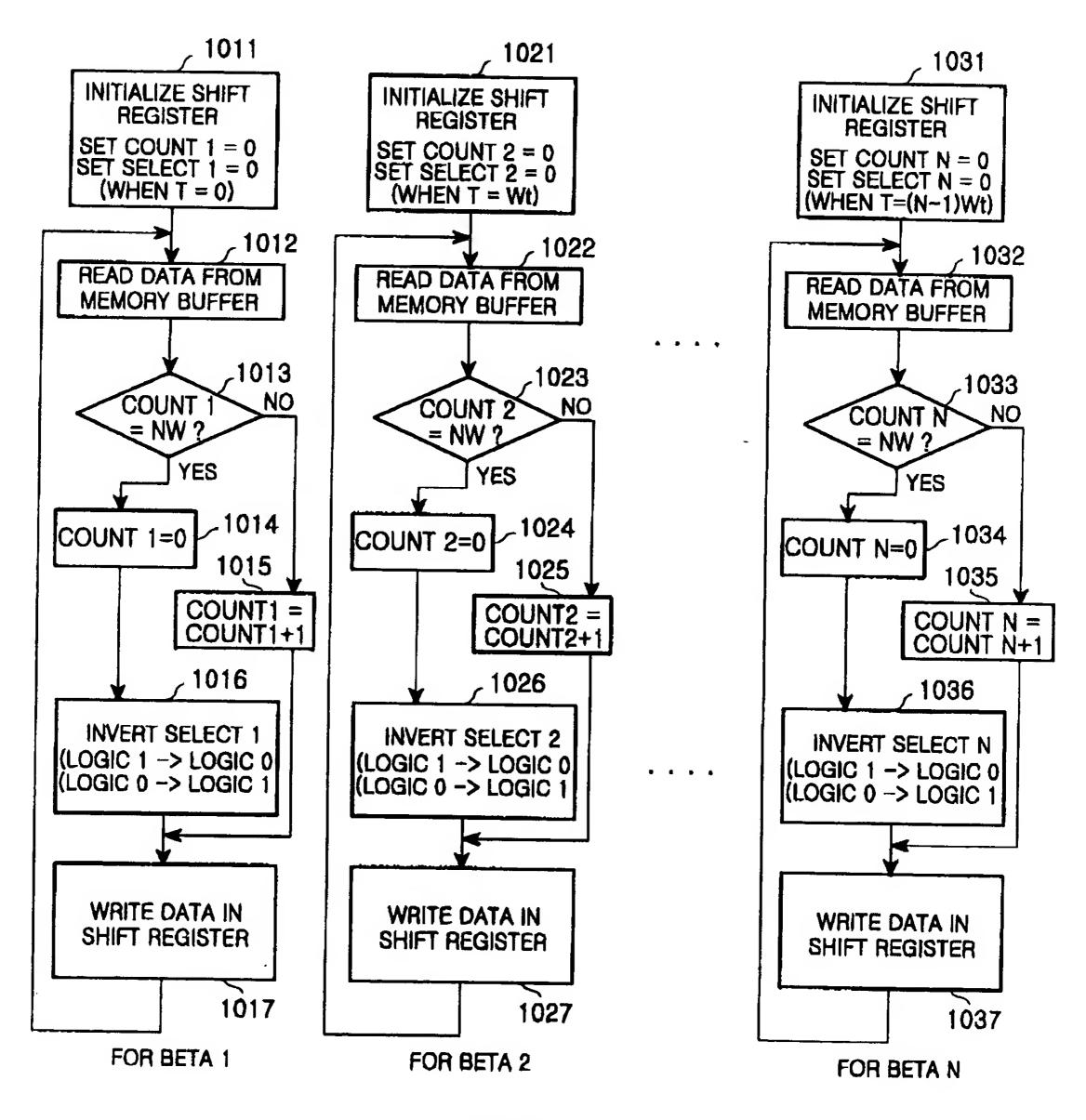


FIG.10

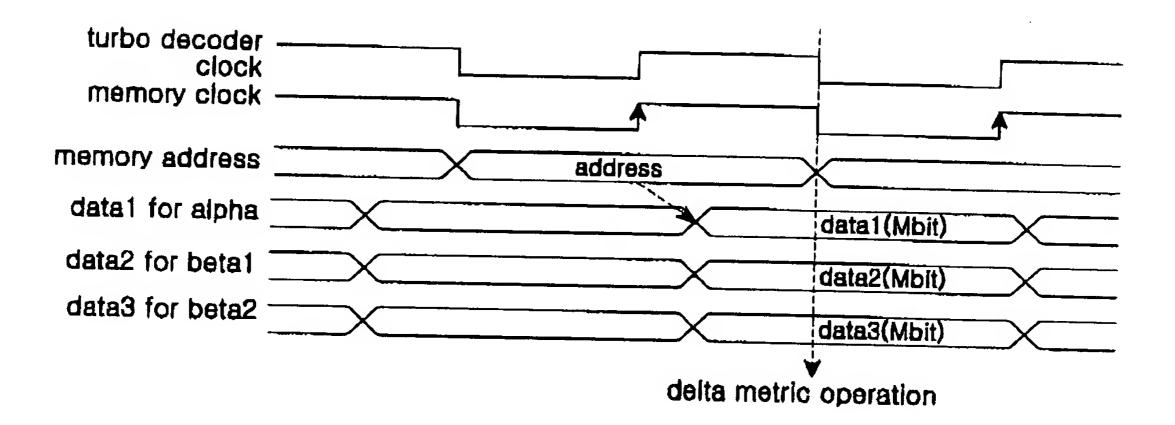
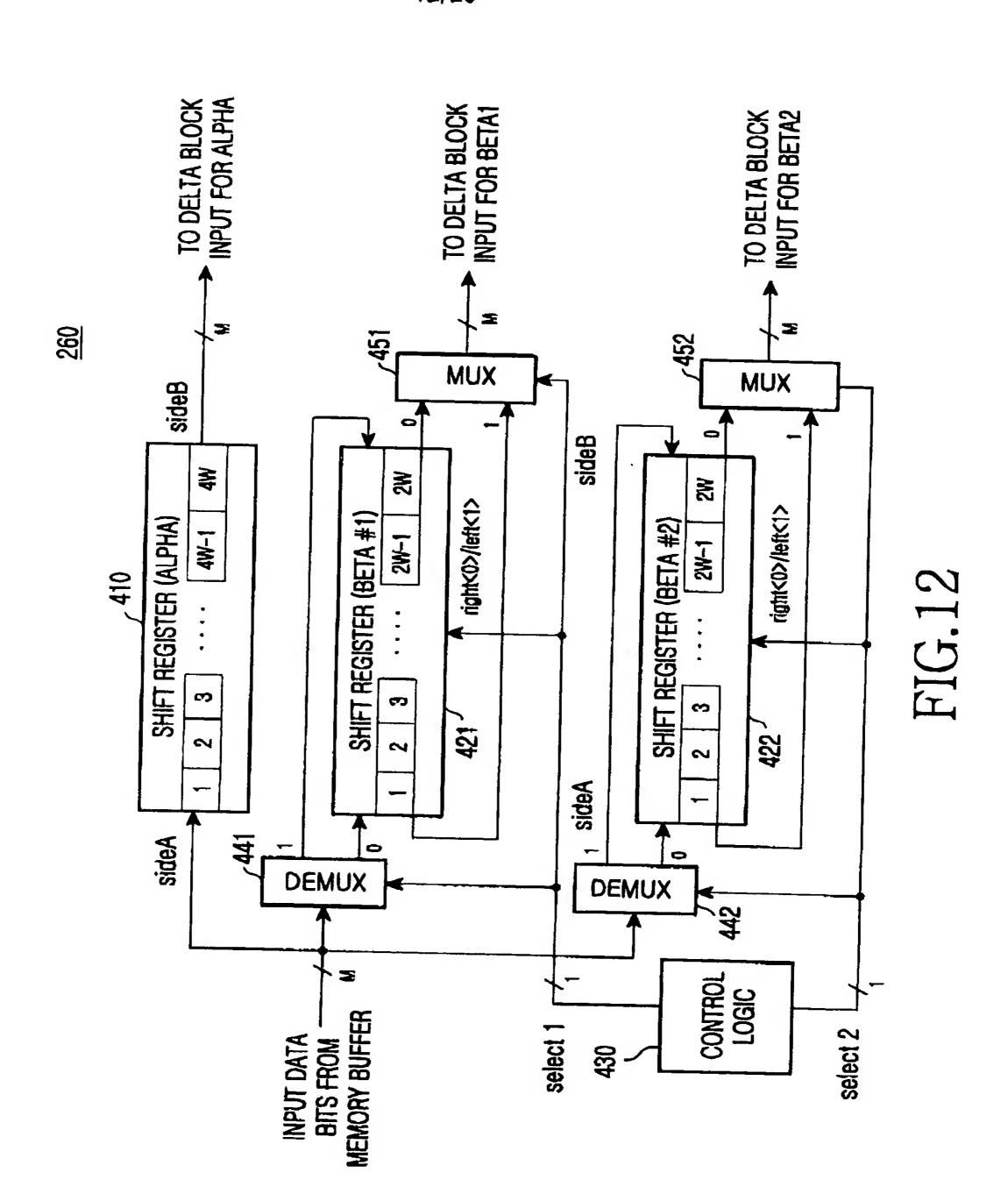


FIG.11



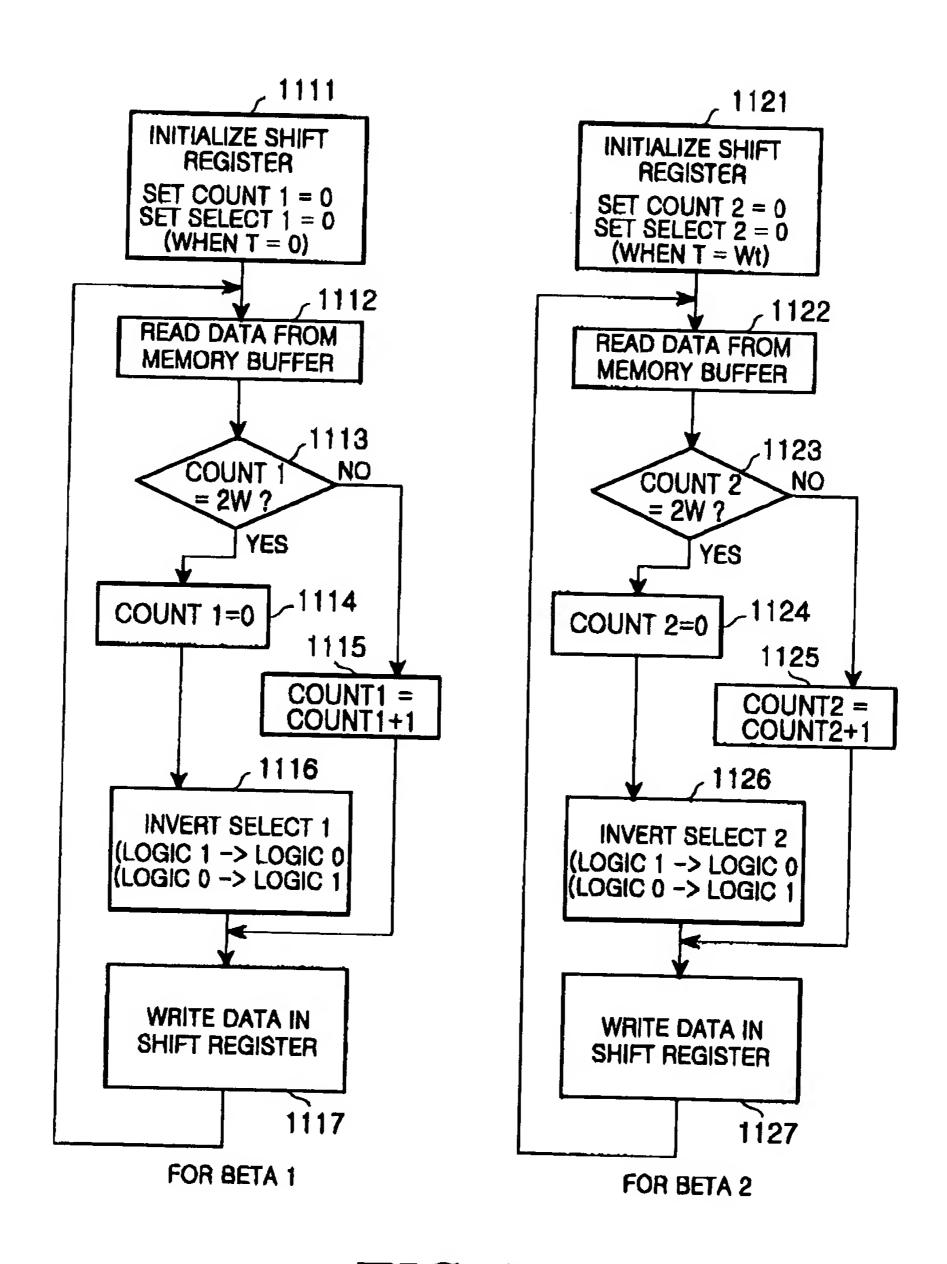


FIG.13

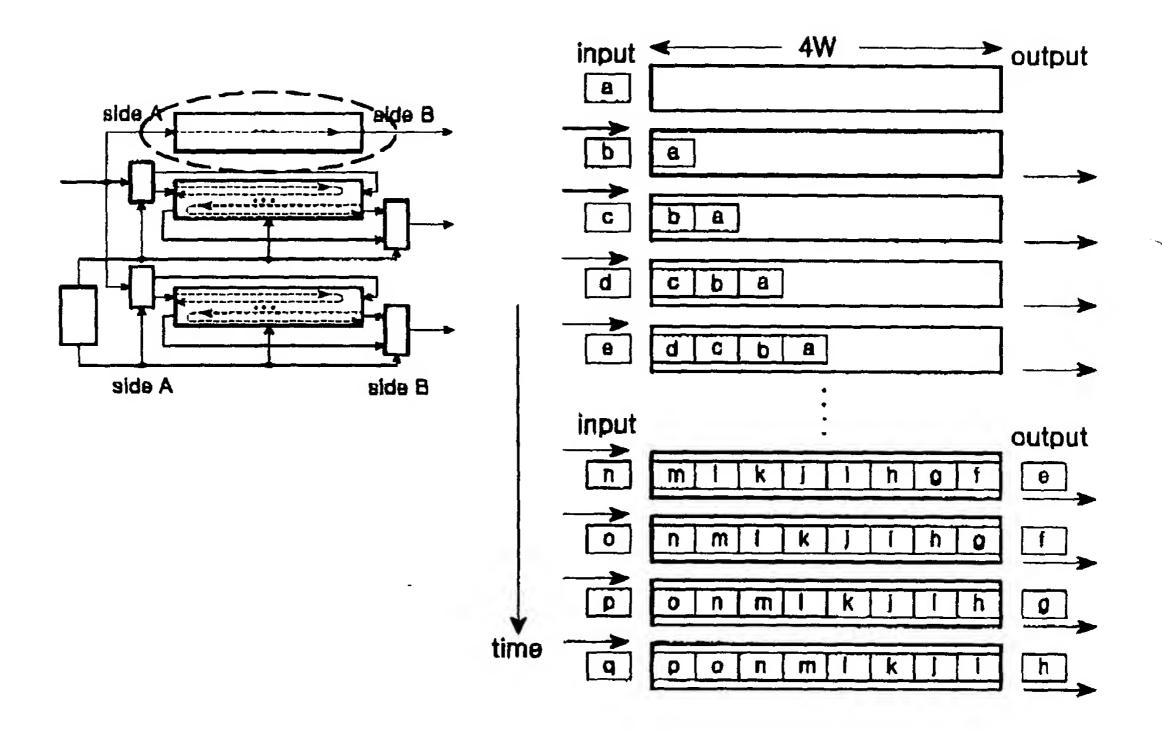


FIG.14

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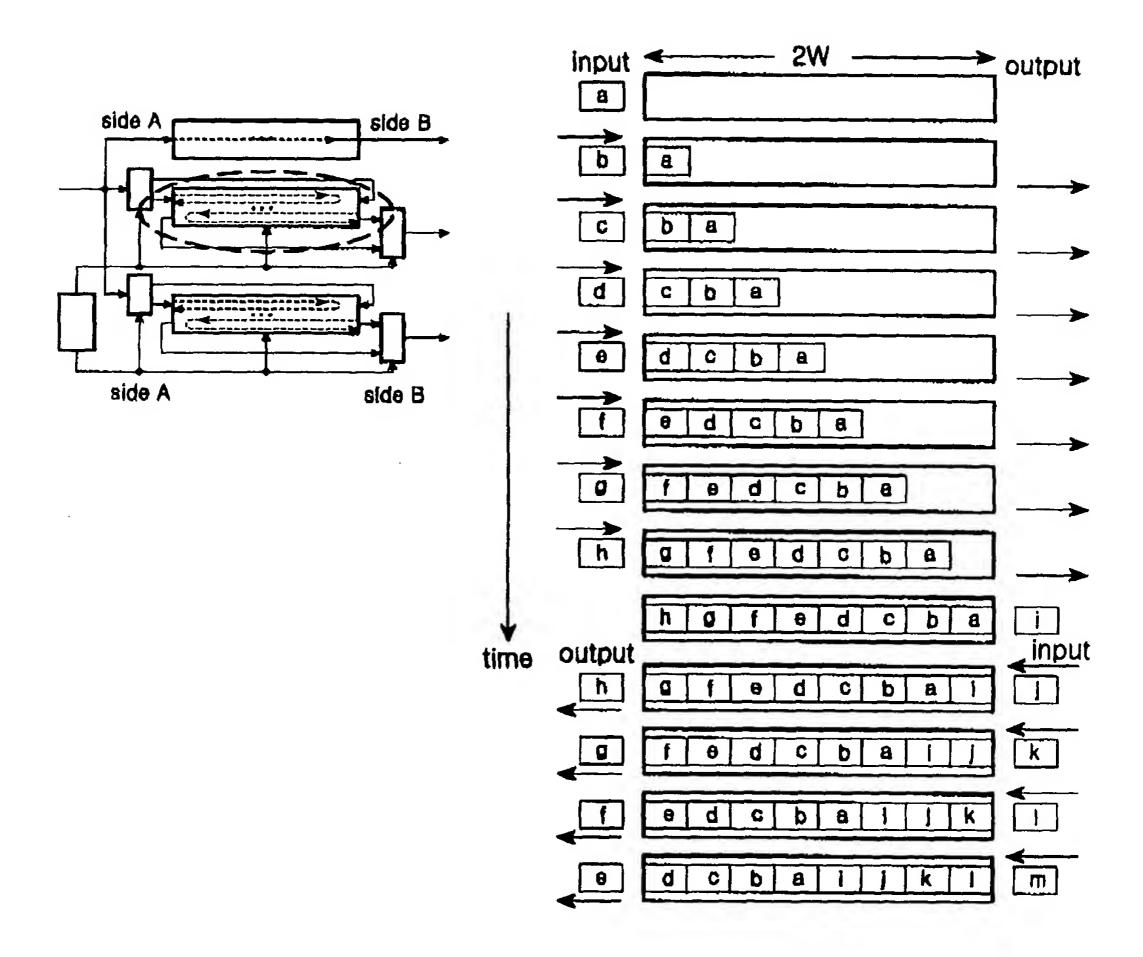
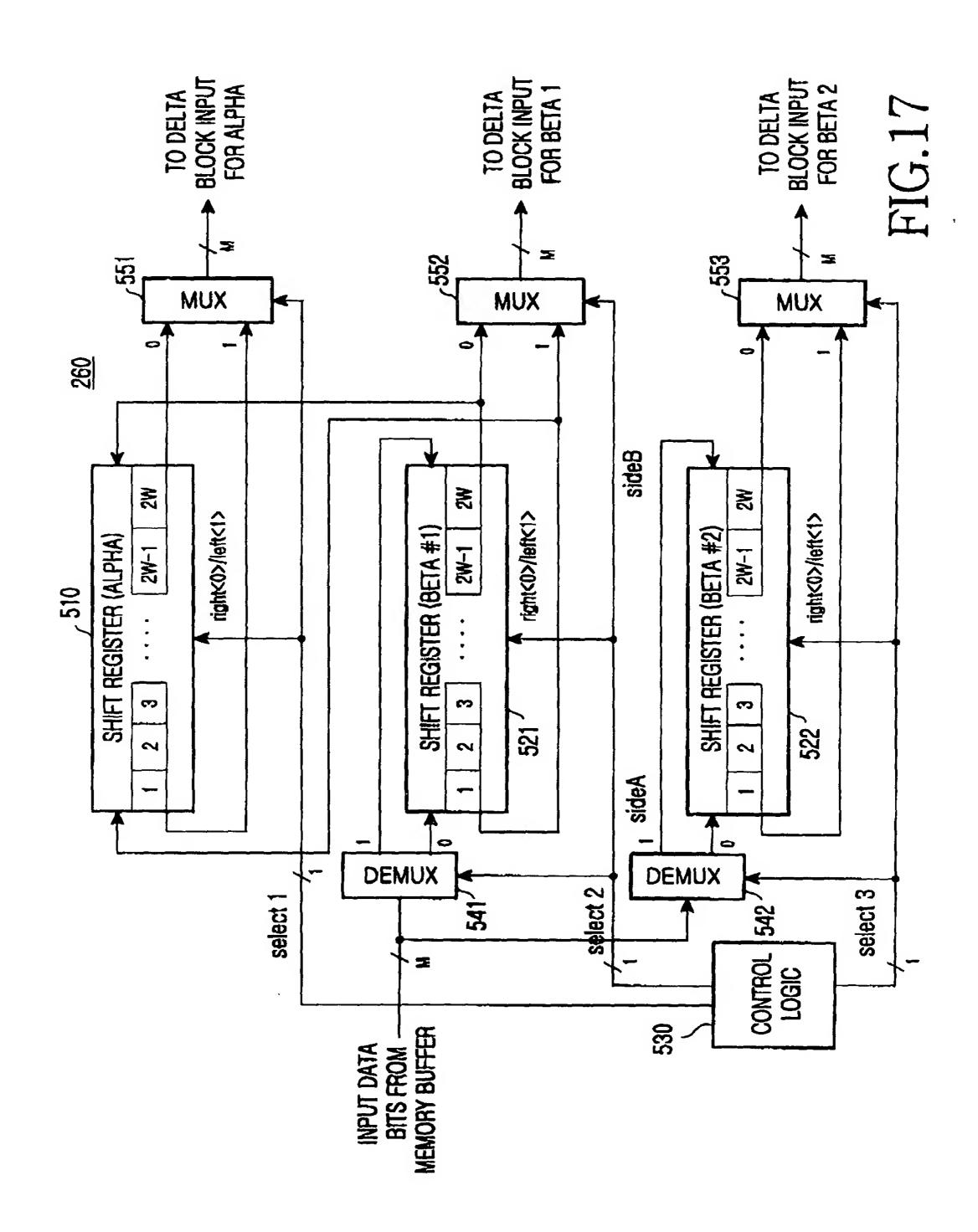


FIG.15

|                     | •              |         | W=4   |       | time (transition) | sition)         |              |                   |  | 1  |     |
|---------------------|----------------|---------|-------|-------|-------------------|-----------------|--------------|-------------------|--|--|-----|
| •                   |                |         |       |       |                   |                 |              |                   |  |  |     |
| OCTC                | OCTC memory    | D 0 0 0 | 4 6 4 | - H   | <b>a c</b>        |                 | c & x        | y 2 41 bt         | ct dt 01 ft                                | <b>a</b>   |     |
| delta block side d  | cida A in      | 0 0     | 9 9 9 |       | 0 0 0             |                 | > >          | 7 Z A 1 BS        | 55 G. E.                                   | 6  |     |
| innered of frage    |                |         |       |       |                   |                 |              |                   |  | ֓֞֞֞֜֞֜֞֜֜֞֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֓֡֓֜֜֡֓֓֡֓֡֓֡֓֡ |     |
| enda                | side 8 out     |         |       |       |                   | WHINSTHEON      | WANGANGAN SA | W.W. SAK. SOK. SO | HENNEYKENKENKENKENKENKENKENKENKENKENKENKEN | 180/080  |     |
| 1                   | side A in      | 9 c q   | 0 7 0 |       |                   | 1 8 1 6         | * > 0        |                   |  | ļ  |     |
| delta block         | side A our     |         |       | •     | 1831/831/831/831  | ÷               |              | A A X             | DENKENKOKE                                 |  |     |
| teta1               | side B in      |         |       | 1 1 1 | a a u             |                 | *            | y 2 at bt         | ET 45 01 H                                 |  | 16  |
|                     | side B out     |         |       |       |                   | w v D d         | DANKAKANASA  |                   |  | <b>5</b>   | /20 |
|                     | side A in      |         | 4 0 - | 1 1 - |                   |                 | 8 M 0        | y z at bs         |  |  |     |
| delta block         | side A out     |         |       |       | 1 K 1 I           | 0.5165186518650 |              |                   | 6f at   z   y                              | 130000   |     |
| input for<br>heta 2 | side B in      |         |       |       | d o u u           | 1 . 5 b         |              |                   | 11 10 IP 13                                | [E]  |     |
|                     | side Bout      |         |       |       |                   |                 | b 1 9 1      | CHACHACHACH       |  |  |     |
| selecti             | input          | (CC)    | : bw  | igo   | F. F.             |                 |              |                   |  |  |     |
| select2             | input<br>clock |         |       |       |                   |                 |              |                   |  |  |     |
| alpha out           | metric out     |         |       |       |                   | 0 3 Q •         | 4 0 1 e      | 1   4   1         | 0 0 0                                      | ا<br>ا   |     |
| beta1 out           | metric out     |         |       |       |                   | p 3 q 3         |              | 1 1               |  | -  |     |
| beta2 out           | metric out     |         |       |       |                   |                 | 4 8 h        |                   | d o u E                                    |  |     |
|                     |                |         |       |       |                   |                 |              |                   |  |  |     |



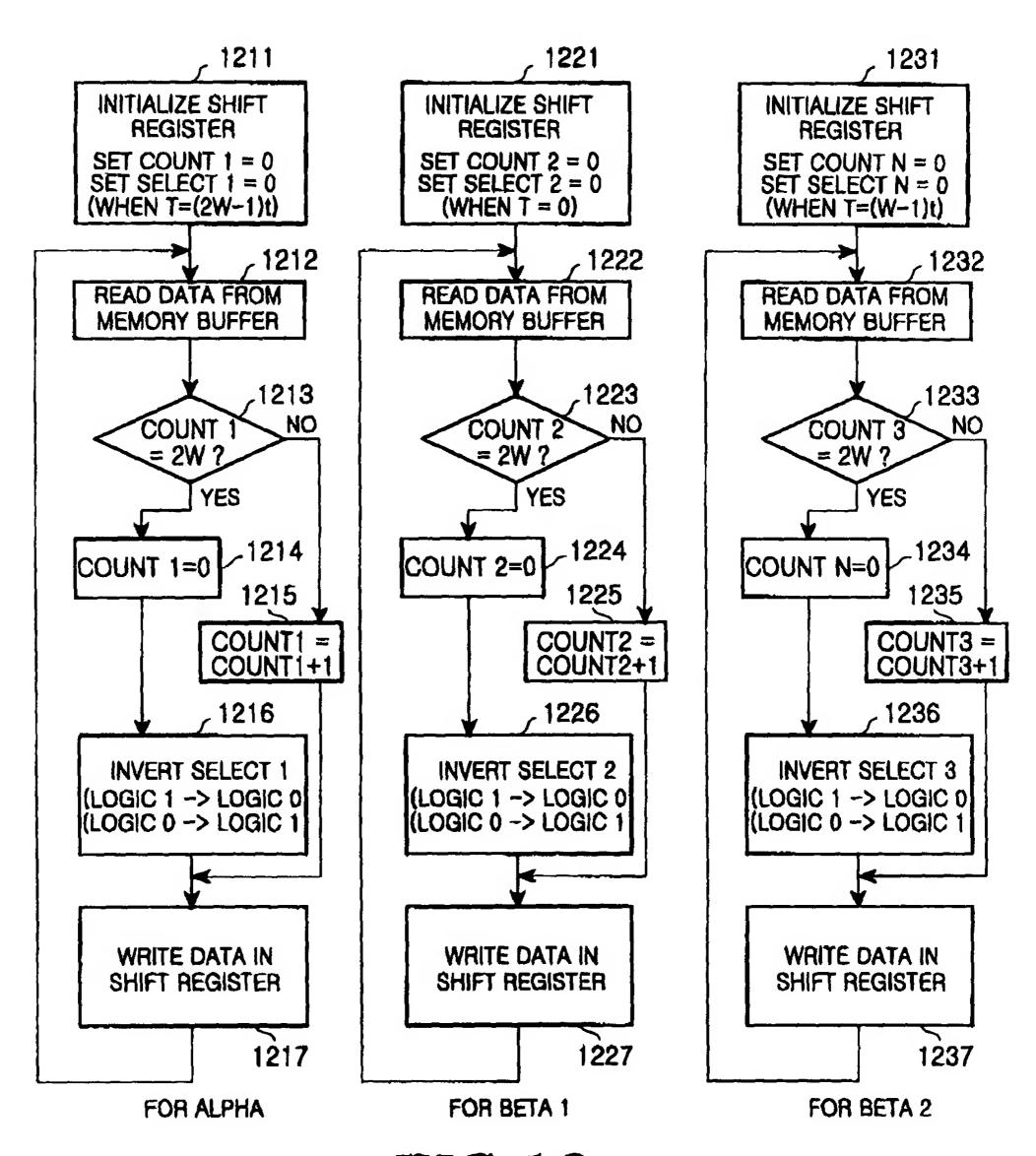


FIG.18

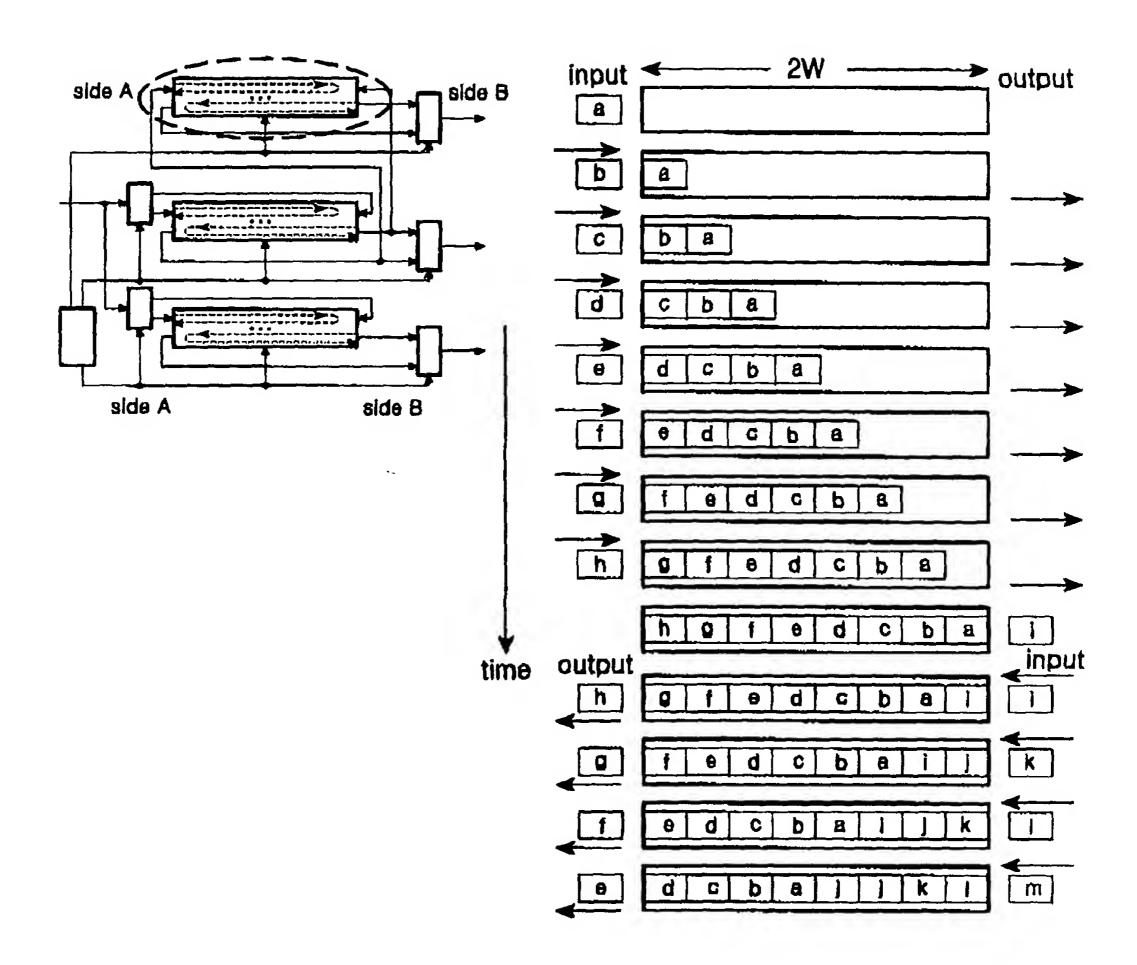


FIG.19

|                      | ,                       |         | W = 4         |         | time t (transition) | stton)         |                |                   |  | 1        |     |
|----------------------|-------------------------|---------|---------------|---------|---------------------|----------------|----------------|-------------------|--|----------|-----|
| memor                | memory buffer<br>oxfort | 9 0 A   | u   6   1   6 | 1 1 1 1 | d o u u             | 1 8 1          | H A A          | y 2 81 b1         | C1 (3)   01   II   | E        |     |
| <b>}</b>             | aldo A tr               | 9 u a   | 9 7 0         | 1 4 1 1 | d 0 0 E             | 9 1 1          | UVV            | 7 2 41 01         | cf dt   01 17  | 15       |     |
| defta block          | side A In               |         |               |         | 9 Q 3 P             |                |                | 3 3 3             | 6 2 6 3  |          |     |
| alpha                | side A out              |         |               | <b></b> |                     | INNANICANANI   | VANDANSONSON   |                   |  | TKOKOKI) |     |
|                      | side Birn               |         |               |         |                     | P 0 0 d        | 1 1 1          |                   |  | 5        |     |
|                      | eids Bout               |         |               |         |                     |                |                | AND DE DESCRIPTOR | VAUNTANIA VARIANIA MARIANIA M |          |     |
|                      | sida A in               | 1 1 c d | - o           |         |                     | 1 4 1 0        | A M A D        |                   |  |          |     |
| della block          | side A out              |         |               |         | HANNEYKENNEN        |                |                | 2 A B . M.        | ISWO WATERS  |          |     |
| trapur Tor<br>Defa:1 | side B in               |         |               |         | 0<br>0              |                |                | y 2 et bs         | et (5) at 17   | i<br>i   | 20/ |
|                      | side Bout               |         |               |         |                     | # # # #        | nga an an an a |                   |  | 19       | 20  |
|                      | side A In               |         | Q B - =       | 1 1 1   |                     |                | R . A A        | y 2 41 by         |  |          |     |
| deita block          | side A cut              |         |               |         |                     | 13116818084680 |                |                   | b] at x y  | MONTH.   |     |
| from for             | eide Bin                |         |               |         | d b u               | 1 8 1 6        |                |                   | टा वा भा   | 5        |     |
|                      | side Bout               |         |               |         |                     |                | 1 8 ( 1 4      | 03/1/3/1/3/1/3/   |  |          |     |
| select               | riput                   |         |               |         |                     |                |                |                   |  |          |     |
| select2              | front<br>dors           | piga    | , tor         | olgol   | logic high          |                |                |                   |  |          |     |
| अक्षित्र             | <b>19 19 19</b>         |         |               |         |                     |                |                |                   |  |          |     |
| elipha out           | metric out              |         |               |         |                     | a b c d        | • .f g h       | 1   4   1   1     | d o u u  | 9 5      |     |
| beta1 out            | metric out              |         |               |         |                     | D C d          |                | 1   1   1   1     |  | - 6      |     |
| beta2 out            | metric out              |         |               |         |                     |                | e ( ( g h      | J                 | d o u w  |          |     |

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